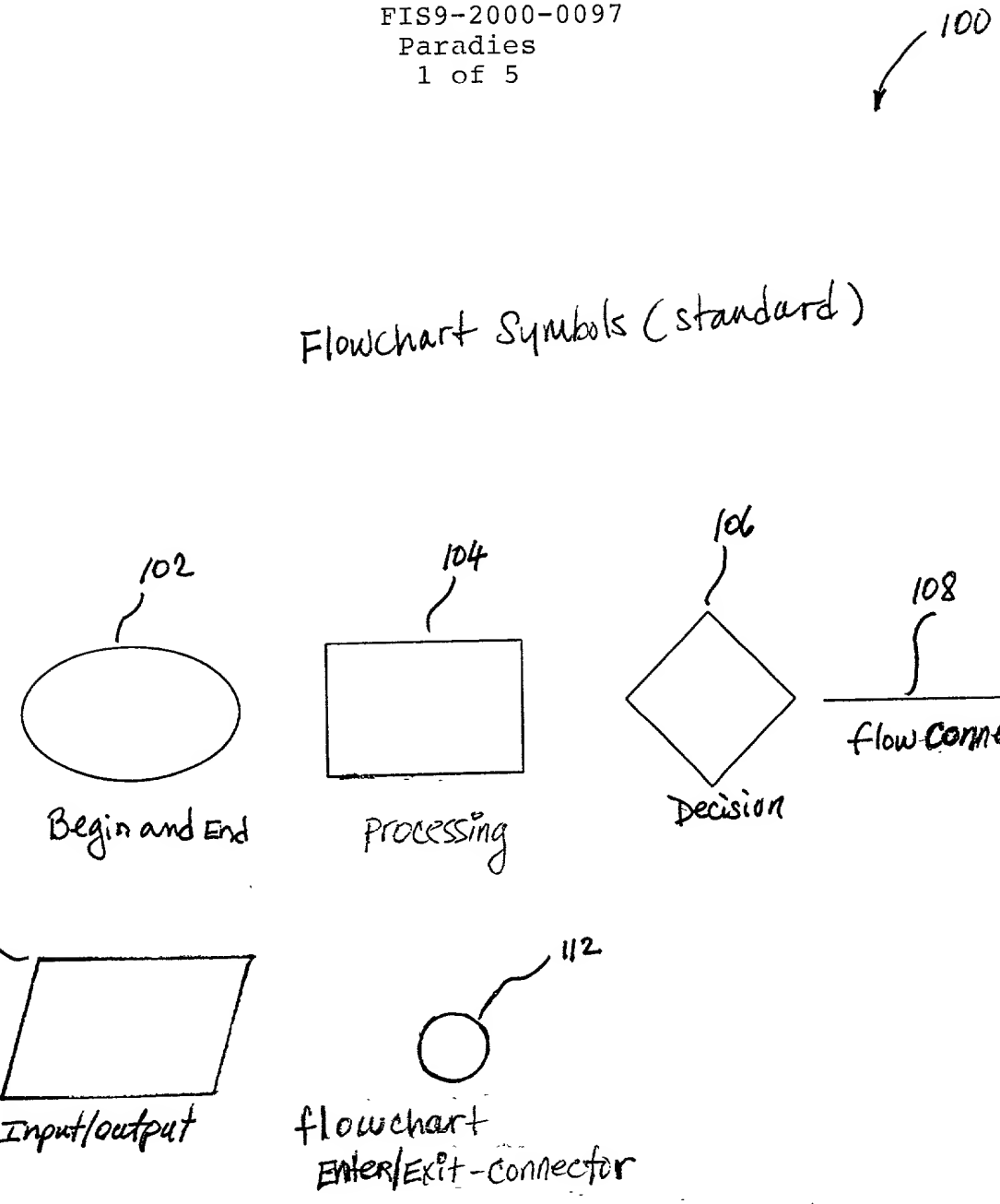

FIGURE 1 (Prior Art)

09756956-042804

200

Routing

202

Server. FOXRPT
Name /ver /var: COLONY 1.4 ~ 204
plan_id: 381eeab4 ~ 206
Last edit date: 05/23/2000
Last edit time. 09:57:17

208 212 214

PLAN_ID	PPO_ID ~ 210	PPO_NEXT_PATH_ID	NEXT_PPO_ID	PATH_DESC ~ 216
381eeab4	01_BRD_INGATE	OK	02_BENCH_MET_TST	BENCH METER TEST
381eeab4	02_BENCH_MET_TST	OK	03_STENCIL_BOT	Stencil Bottomside
381eeab4	03_STENCIL_BOT	OK	04_PASTE_VISUAL	Solder Paste Visual Inspect
381eeab4	04_PASTE_VISUAL	NOT_OK	03_STENCIL_BOT	Clean and Re-stencil Bottomside
381eeab4	04_PASTE_VISUAL	OK	05_BOTTOMSIDE	Bottomside Placement and Reflow
381eeab4	05_BOTTOMSIDE	OK	06_AUTO_INSPECT	AUTO INSPECT BOTTOMSIDE
381eeab4	06_AUTO_INSPECT	OK	07_BENCH_MET_TST	BENCH METER TEST
381eeab4	07_BENCH_MET_TST	OK	08_STENCIL_TOP	STENCIL TOPSIDE
381eeab4	07_BENCH_MET_TST	BENCHRWK	29_BENCH_REWORK	BENCH REWORK METER TEST
381eeab4	08_STENCIL_TOP	OK	09_PASTE_MEASURE	Paste Measure Topside
381eeab4	09_PASTE_MEASURE	NOT_OK	08_STENCIL_TOP	Clean and Re-stencil Topside
381eeab4	09_PASTE_MEASURE	OK	10_TOPSIDE	Topside Place and Reflow
381eeab4	10_TOPSIDE	OK	11_AUTO_INSPECT	AUTO INSPECT TOPSIDE
381eeab4	11_AUTO_INSPECT	OK	11_BENCH_MET_TST	BENCH METER TEST
381eeab4	11_BENCH_MET_TST	OK	12_PIH_INSERT	Pin In Hole Insert and Inspect
381eeab4	11_BENCH_MET_TST	NOT_OK	39_BENCH_REWORK	Bench Rework -11_Bench_Met_Tst Fail
381eeab4	12_PIH_INSERT	OK	13_SOLDER_DIWASH	Solder Di-Wash
381eeab4	13_SOLDER_DIWASH	OK	14_XRAY	Xray and Xray Analysis
381eeab4	14_XRAY	OK	19_AUTO_INSPECT	AUTO INSPECT
381eeab4	14_XRAY	DEVICE	39_AIR_VAC	Air Vac Repair
381eeab4	14_XRAY	FOUNTAIN	39_SOLDER_FOUNT	Solder Fountain Repair
381eeab4	19_AUTO_INSPECT	OK	20_INSPECT	MANUAL INSPECT
381eeab4	19_AUTO_INSPECT	DEVICE	39_AIR_VAC	AIR VAC REPAIR
381eeab4	19_AUTO_INSPECT	FOUNTAIN	39_SOLDER_FOUNT	SOLDER FOUNTAIN REPAIR
381eeab4	20_INSPECT	RETRY	19_AUTO_INSPECT	AUTO RE INSPECT
381eeab4	20_INSPECT	OK	30_HEAT_SINK_ATT	Heat Sink Attach
381eeab4	20_INSPECT	DEVICE	39_AIR_VAC	AIR VAC
381eeab4	20_INSPECT	FOUNTAIN	39_SOLDER_FOUNT	SOLDER FOUNTAIN
381eeab4	20_INSPECT	TEST	40_INCIRCUIT_TST	INCIRCUIT TEST
381eeab4	29_BENCH_REWORK	NOT_OK	29_TIA	Thermal Image Meter Test Fail
381eeab4	30_HEAT_SINK_ATT	OK	31_RTV_ADD	RTV_ADD
381eeab4	31_RTV_ADD	OK	35_HDWARE_ASM_IN	HARDWARE ASSEMBLY AND INSPECT
381eeab4	35_HDWARE_ASM_IN	OK	40_INCIRCUIT_TST	Incircuit Test
381eeab4	39_AIR_VAC	OK	20_INSPECT	INSPECT
381eeab4	39_BENCH_REWORK	OK	11_BENCH_MET_TST	Bench Meter Re-test
381eeab4	39_DEBUG	DEVICE	39_AIR_VAC	AIR VAC
381eeab4	39_DEBUG	RETRY	39_BENCH_REWORK	BENCH REWORK
381eeab4	39_DEBUG	FOUNTAIN	39_SOLDER_FOUNT	SOLDER FOUNTAIN
381eeab4	39_DEBUG	TEST	40_INCIRCUIT_TST	INCIRCUIT TEST
381eeab4	39_SOLDER_FOUNT	FOUNTAIN	39_XRAY	XRAY (use for STI connectors and BER STIK)
381eeab4	39_XRAY	OK	20_INSPECT	Re-Inspect Board
381eeab4	39_XRAY	FOUNTAIN	39_SOLDER_FOUNT	Solder Fountain Repair
381eeab4	40_INCIRCUIT_TST	DEVICE	39_AIR_VAC	AIR VAC
381eeab4	40_INCIRCUIT_TST	NOT_OK	39_BENCH_REWORK	BENCH REWORK
381eeab4	40_INCIRCUIT_TST	TEST	39_DEBUG	DEBUG
381eeab4	40_INCIRCUIT_TST	FOUNTAIN	39_SOLDER_FOUNT	SOLDER FOUNTAIN
381eeab4	40_INCIRCUIT_TST	OK	41_FUNC_TEST	FUNCTIONAL TEST
381eeab4	41_FUNC_TEST	DEVICE	39_AIR_VAC	AIR VAC
381eeab4	41_FUNC_TEST	RETRY	39_BENCH_REWORK	BENCH REWORK
381eeab4	41_FUNC_TEST	TEST	39_DEBUG	DEBUG
381eeab4	41_FUNC_TEST	FOUNTAIN	39_SOLDER_FOUNT	SOLDER FOUNT
381eeab4	41_FUNC_TEST	OK	60_PACK	pack
381eeab4	60_PACK	OK	65_PC_STOCK	PC STOCK
381eeab4	65_PC_STOCK	END	—	—

209

217

219

220

221

222

218

09756696 - 041904

FIGURE 2

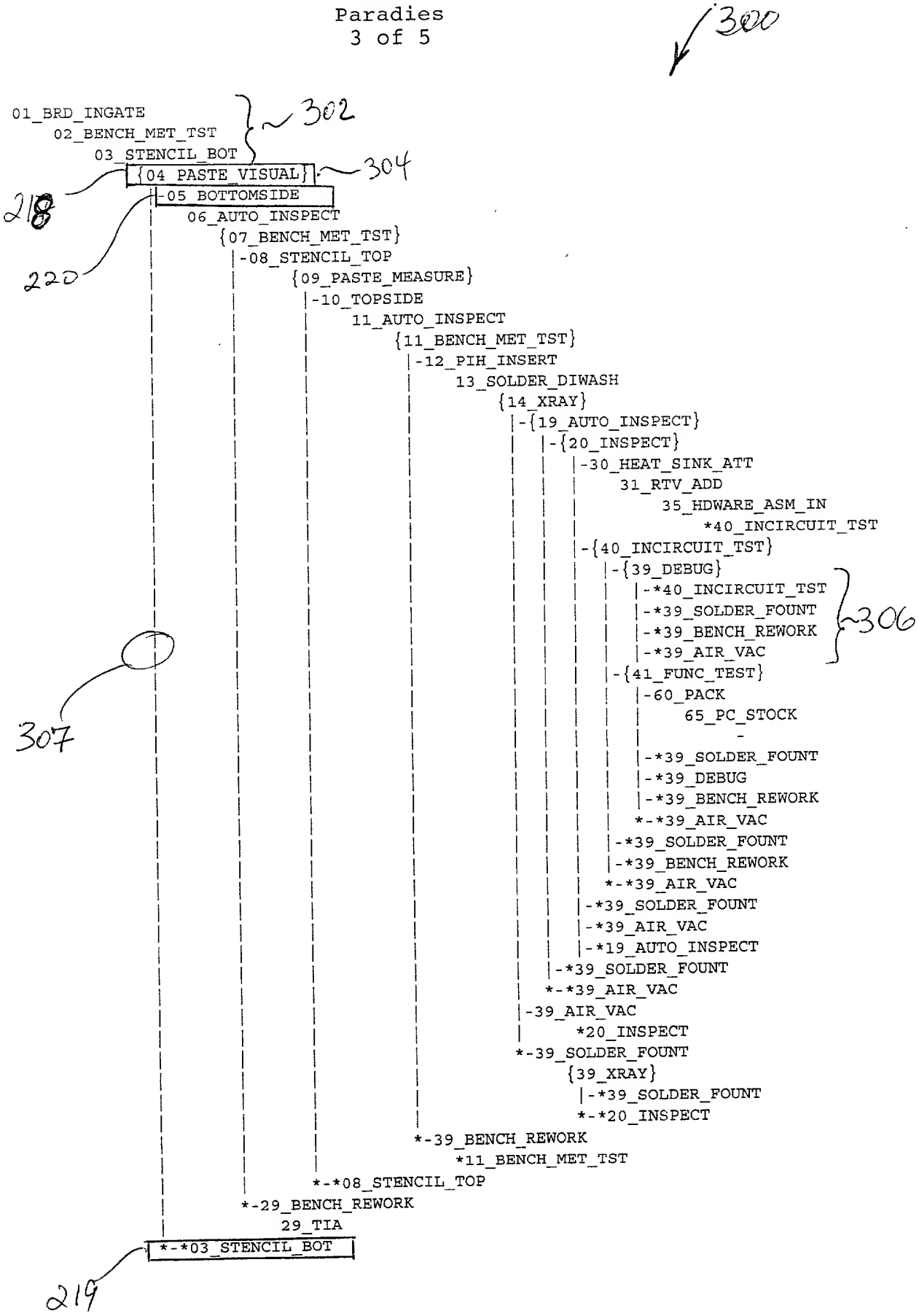

FIGURE 3

09760696 - 082804

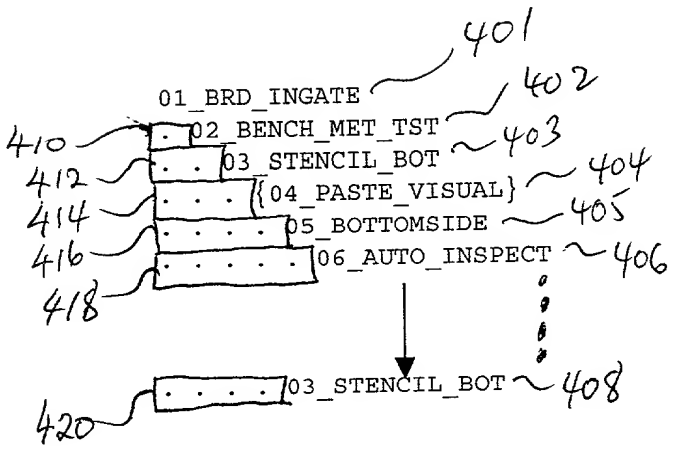

Figure 4

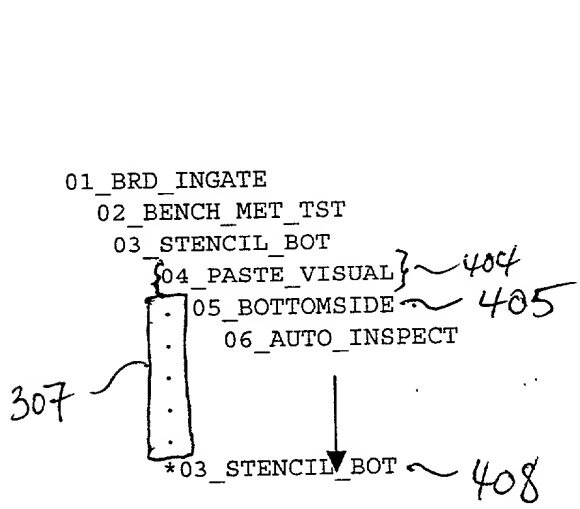

Figure 5

09/569,690 - 04/08/04

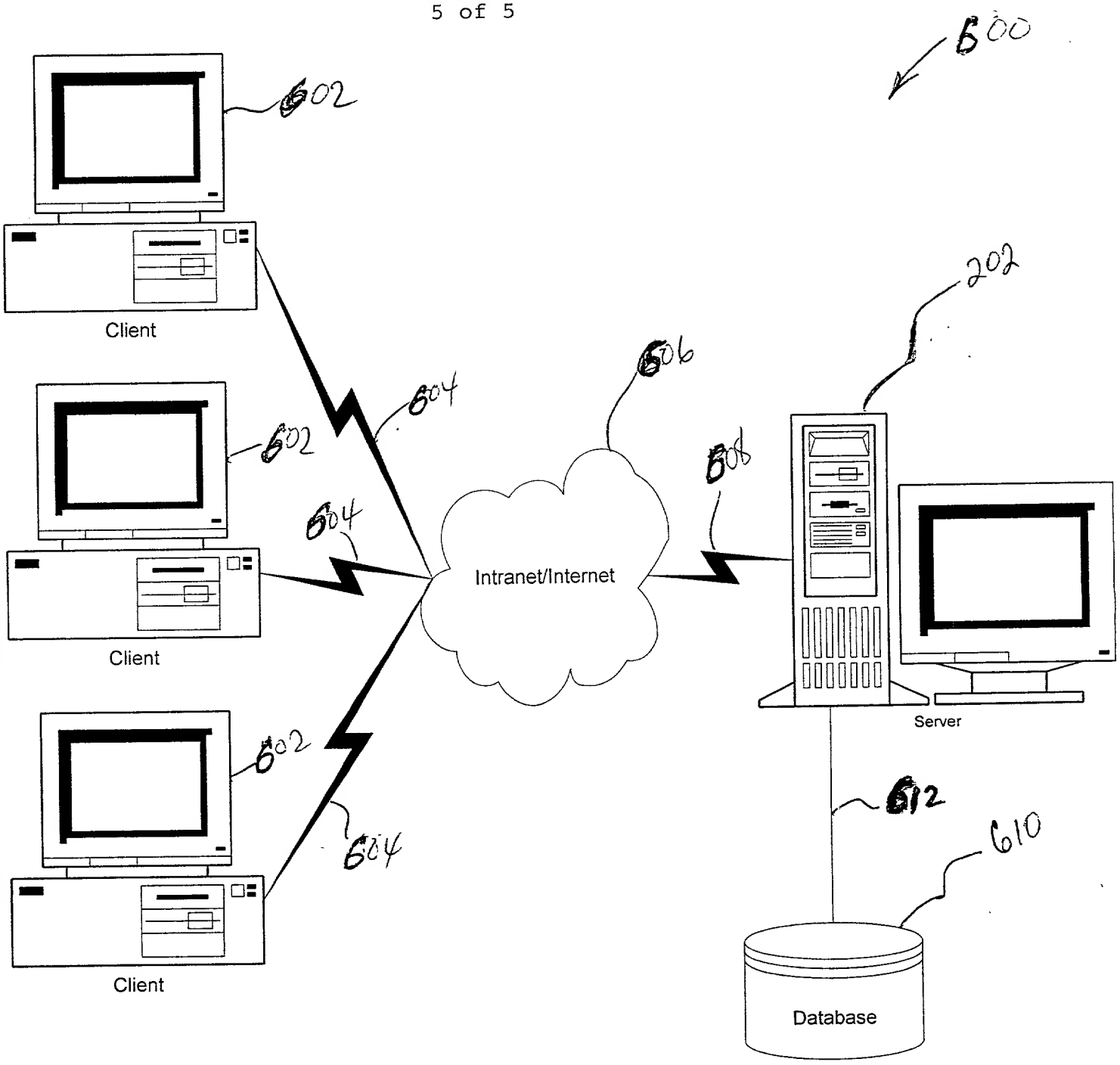
600
602
Client
602
Client
602
Client
604
604
604
606
Intranet/Internet
608
202
Server
612
610
Database

FIGURE 6